

Flu Watch

MMWR Week 41: October 6 to October 12, 2019

All data are provisional and subject to change as more reports are received.

Geographic Spread



South Carolina reported **sporadic activity** this week.

Influenza Activity



Overall, there was no change in influenza activity this week.

Regional Influenza Activity



Decreased



No change



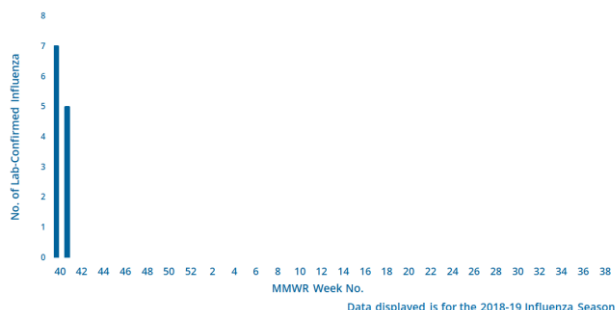
No change



Decreased

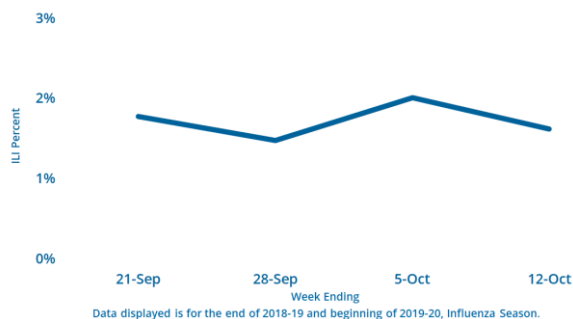
Virologic Surveillance

This week **5** lab-confirmed tests were reported. In the current flu season, there have been **12** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **1.62%**, which is **below** South Carolina's baseline (**3.53%**). The ILI activity level overall was **minimal**.



Influenza-Associated Hospitalizations

This week **10** influenza-associated hospitalizations were reported by **41** hospitals. The cumulative hospitalization rate is **0.3 per 100,000**. In the current flu season, there have been **14** influenza-associated hospitalizations.

Influenza-Associated Deaths

This week **0** influenza-associated deaths were reported. In the current flu season, there have been **0** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

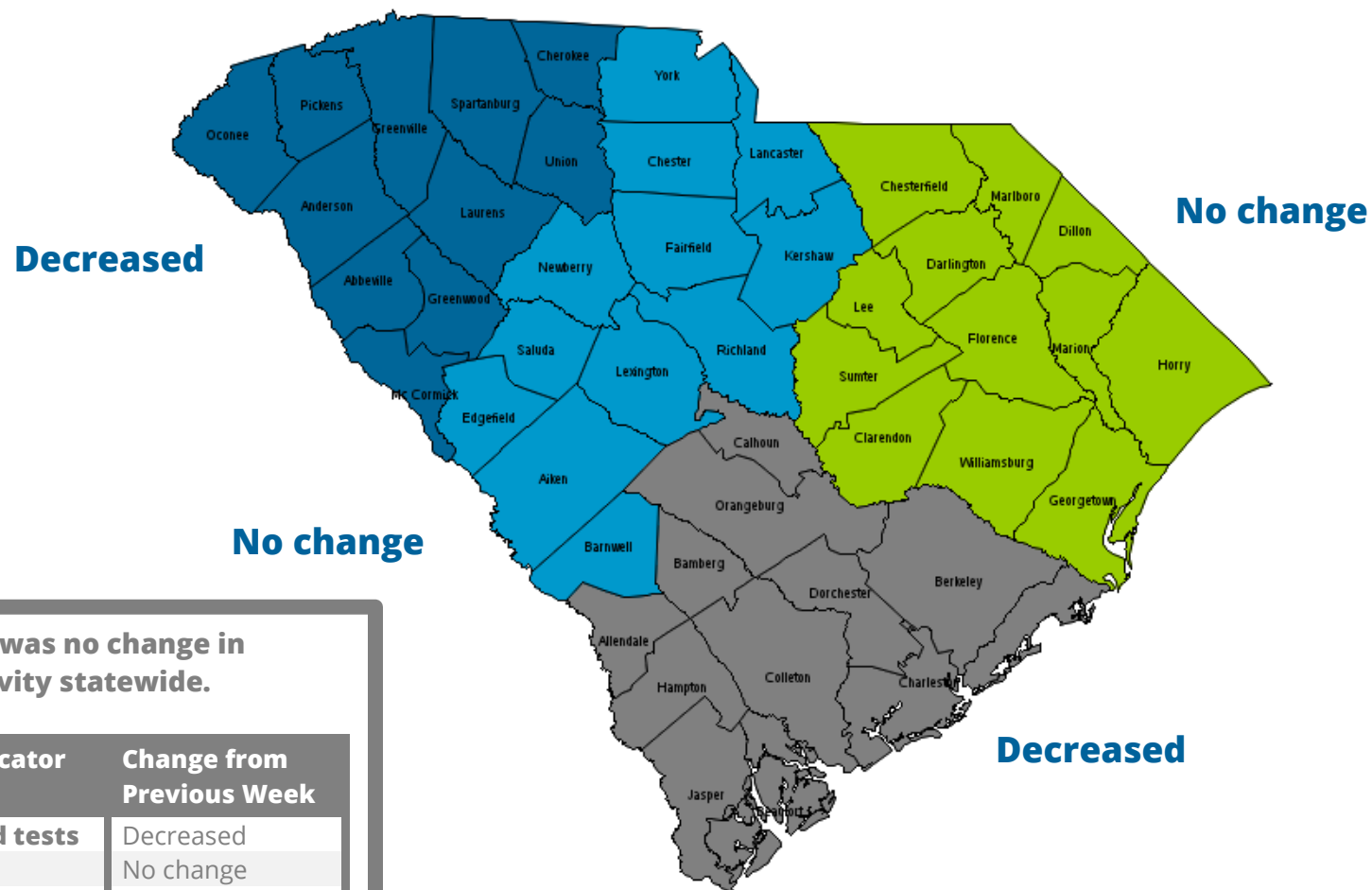
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

Influenza Activity*

In the 4 Public Health Regions, activity showed...



Overall there was no change in influenza activity statewide.

| Influenza Indicator | Change from Previous Week |
|---------------------|---------------------------|
| Lab-confirmed tests | Decreased |
| ILI Percent | No change |
| Hospitalizations | Increased |

*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

Virologic Surveillance

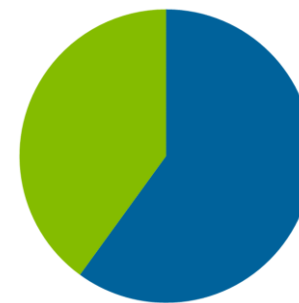
| Influenza Type | Season Totals To Date | | | | |
|--------------------|-----------------------|----------------|-----------------|----------------|------------------|
| | This Week | 2019-20 | 2018-19 | 2017-18 | 5 season average |
| No. (%) | | | | | |
| Overall | 5 | 12 | 1 | 2 | 4 |
| Influenza A | 3(60.0) | 8(66.7) | 1(100.0) | 1(50.0) | 3(75.0) |
| A(H3) | -- | -- | -- | 1(100.0) | -- |
| A(H1N1) | -- | 1(12.5) | 1(100.0) | -- | 1(33.3) |
| A(NS)* | 3(100.0) | 7(87.5) | -- | -- | 2(66.7) |
| Influenza B | 2(40.0) | 4(33.3) | 0 | 1(50.0) | 1(25.0) |
| B (Victoria) | -- | -- | -- | -- | -- |
| B(Yamagata) | -- | -- | -- | 1(100.0) | -- |
| B (LND)* | 2(100.0) | 4(100.0) | -- | -- | 1(100.0) |

*NS – not subtyped

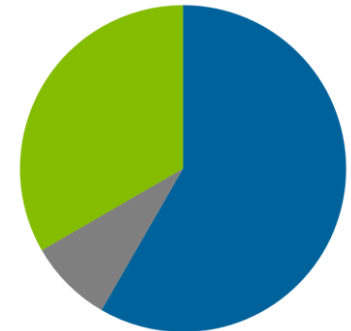
*LND – lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2019-20 influenza season began on September 29, 2019 and will end on September 26, 2020.

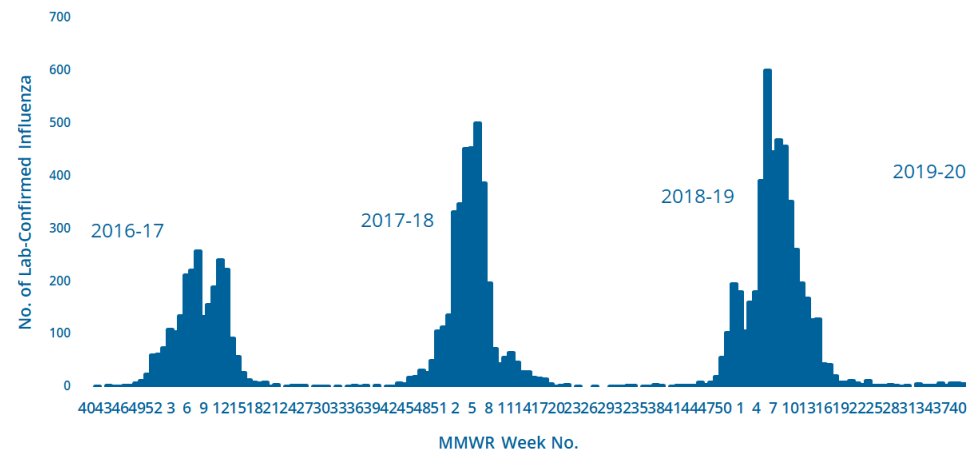
Week ending 10/12



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



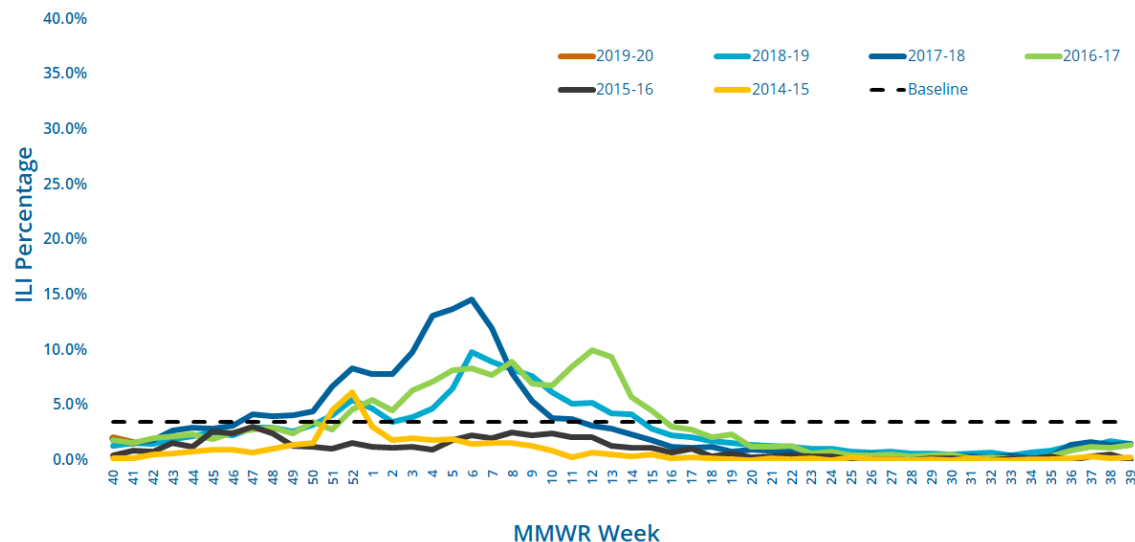
Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and **1.62%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.53%**.

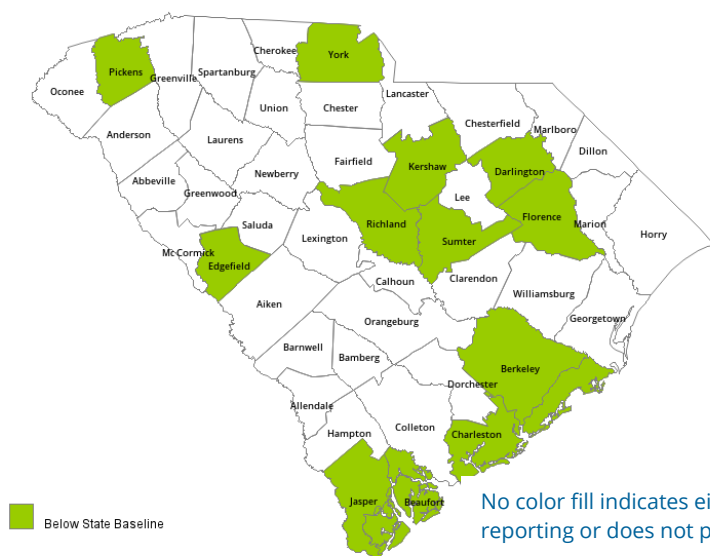
Reports were received from providers in **12** counties, representing all DHEC Public Health regions.

ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2019-20 Calendar by Week of the Year

| OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 40 | 44 | 48 | 1 | 5 | 9 | 14 | 18 | 22 | 27 | 31 | 36 |
| 41 | 45 | 49 | 2 | 6 | 10 | 15 | 19 | 23 | 28 | 32 | 37 |
| 42 | 46 | 50 | 3 | 7 | 11 | 16 | 20 | 24 | 29 | 33 | 38 |
| 43 | 47 | 51 | 4 | 8 | 12 | 17 | 21 | 25 | 30 | 34 | 39 |
| | | 52 | | | 13 | | | 26 | | 35 | |

ILI ACTIVITY LEVELS: **MINIMAL** **LOW** **MODERATE** **HIGH**

Influenza-Associated Hospitalizations And Deaths

| Hospitalizations No. (Rate) | Overall | Ages 0-4 | Ages 5-17 | Ages 18-49 | Ages 50-64 | Ages 65+ |
|--------------------------------|---------|-------------|--------------|------------|---------------|-------------|
| This Week | 10(0.2) | -- | -- | 1(0.1) | 1(0.1) | 8(0.5) |
| 2019-20 | 14(0.3) | -- | -- | 1(0.1) | 1(0.1) | 12(1.4) |
| 2018-19 | 7(0.1) | -- | 2(0.2) | 3(0.1) | -- | 2(0.3) |
| 2017-18 | 18(0.4) | 1(0.3) | 1(0.1) | 2(0.1) | 5(0.5) | 9(1.4) |
| 5 season average | 13(0.3) | 1(0.1) | 1(0.1) | 3(0.1) | 2(0.2) | 7(1.1) |

| Deaths No. (Rate) | Overall | Ages 0-4 | Ages 5-17 | Ages 18-49 | Ages 50-64 | Ages 65+ |
|-------------------------|---------|-------------|--------------|------------|---------------|-------------|
| This Week | -- | -- | -- | -- | -- | -- |
| 2019-20 | -- | -- | -- | -- | -- | -- |
| 2018-19 | -- | -- | -- | -- | -- | -- |
| 2017-18 | -- | -- | -- | -- | -- | -- |
| 5 season average | 1(0.0) | -- | -- | -- | -- | 1(0.1) |

